

# Recovery Plan Action Status

**Plan Name:** Recovery Plan for the Hawaiian Hoary Bat

**Plan Status:** Final

**Plan Date:** 11-May-98

**Lead Agency:** USFWS

**Lead Office:** Pacific Islands Fish And Wildlife Office

(808)

792-9400 )

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	11	Develop standardized survey and monitoring protocols	Complete	FY 2000 - FY 2004	FY 2008	U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research	Contract, Graduate Student, Species Expert	Protocols have been published in peer reviewed journal. Recently updated.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	12	Implement survey and monitoring programs	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Population Surveys	Species Expert	Hawaii DLNR Hawaiian Hoary Bat Research COoperative; HCP/SHA ESA section 6 award 09/25/2001. Additional funds secured through 2011.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	13	Determine roosting habitat associations	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Habitat Requirements	Species Expert	Hawaii DLNR Hawaiian Hoary Bat Research COoperative; HCP/SHA ESA section 6 award 09/25/2001. Funds secured through 2011 for Hawaii Island.

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Hawaiian hoary bat (Lasiurus cinereus semotus)	1	14	Determine annual natural history cycle	Partially Complete	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Demographic Studies, Research: Migration	Species Expert	Ongoing research by USGS-BRD. Funds secured through 2011 for Hawaii Island.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	15	Determine food habits on the island of Hawaii	Complete	FY 2006	FY 2006	U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Other Information	Species Expert	More recent information determined through USGS-BRD research.
Hawaiian hoary bat (Lasiurus cinereus semotus)	2	16	Conduct research on other islands	Ongoing Current	FY 2010		U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Species Expert	Research conducted on seasonal variation in acoustic activity for 1 year (2010-2011) at 3 elevation sites on western Kauai. Hope to secure funds for addition years.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	21	Identify and assess threats	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Regulations	Internal Technical Assistance, Species Expert	Threat assessment under ESA section 7 includes consultation for Army training at Pohakuloa (12/23/2003) and Kaheawa Wind Farm (20-year duration) HCP/ITP (02/08/2006). Additional work needed on this aspect.

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Hawaiian hoary bat (Lasiurus cinereus semotus)	1	221	Protect key roosting and foraging areas	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Labor type not yet selected	Some protection is afforded via protected status of Hakalau Forest NWR. Working on including mitigation in association with windfarm HCPs.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	222	Control predators	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Contract, Graduate Student, Species Expert	Information lacking - need to determine predation risk for this species. Funds lacking for telemetry needed for this question.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	223	Reduce the effects of pesticides, if needed	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, University of Hawaii, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Contract, Graduate Student, Species Expert	Unknown if needed. Funds need to be secured to determine if pesticides affect this species.
Hawaiian hoary bat (Lasiurus cinereus semotus)	1	224	Minimize other threats, as appropriate	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources	Work type not yet selected	Contract, Graduate Student, Species Expert	information lacking.
Hawaiian hoary bat (Lasiurus cinereus semotus)	3	3	Conduct a public education program	Ongoing Current	FY 2000 - FY 2004		U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Information and Education	Internal Technical Assistance, Species Expert	Hawaii DLNR Hawaiian Hoary Bat Research Cooperative website established. USGS-BRD conducts educational talks to schools and other groups. 2011 year of the bat promotion.

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Hawaiian hoary bat (Lasiurus cinereus semotus)	3	4	Revise recovery criteria	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Division of Forestry and Wildlife, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Work type not yet selected	Internal Technical Assistance, Species Expert	